

ABSTRACT

APPARATUS AND METHOD FOR COMPUTER SCREEN SECURITY

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The present invention utilizes a combination of software and hardware that renders the computer screen incomprehensible to onlookers. The software consists of a computer program that scrambles the organization of the image on the computer screen. The scrambling program can start automatically during the computer boot up and the computer display will only show the scrambled information. The hardware consists of a set of glasses that reorganizes the scrambled image on the computer screen so that the authorized user can comprehend the image. The glasses contain lenses consisting of a unique arrangement of smaller square lenses tiled together to form a full size eyeglass lens. The smaller lenses correspond to the break-up pattern used by the software to scramble the computer screen. When the invention is utilized, the screen is incomprehensible to the normal viewer. However, a viewer equipped with the correct glasses will see the unscrambled image. Another feature of the present invention occurs when the computer is stolen by an unauthorized person who does not have access to the appropriate glasses. In this case, an attempt to view the information on the computer by the unauthorized user would be unsuccessful because the display image is scrambled at the software level. In an alternate embodiment, the scrambled image is transmitted by cable or wireless transmission to a set of display glasses with an embedded personal display computer that unscrambles the image for viewing at the display glasses.